

15/ 19. (Twice Amended) A method for manufacturing a heat exchanger, comprising the steps of:

applying a coating material comprising a fluid mixture containing flux exclusively to top peaks of corrugated fins;

stacking a plurality of said corrugated fins and a plurality of flat tubes in an alternating manner to thereby constitute a core;

inserting ends of said flat tubes of the core into tube insertion holes of header tanks; and

heating the core, thereby brazing together the top peaks of the corrugated fins and the flat tubes.

16/ 20. (Twice Amended) A method for manufacturing a heat exchanger according to claim 19, further comprising a step of applying the coating material to one of peripheral edges of the tube insertion holes formed in the header tanks and the ends of the flat tubes before said heating, so that the peripheral edges of the tube insertion holes of the header tanks and the ends of the respective flat tubes are brazed during said heating step.